TAL TECHNISCH ARCHITECTURAL LICHTENING
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MADE IN BELGIUM 02/04/2007 - VERSION 1

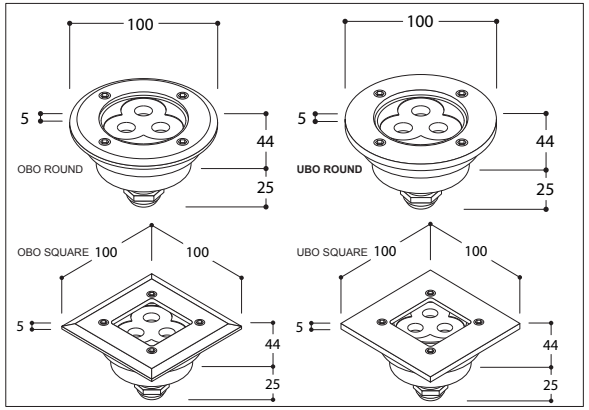
CE

MINI OBO/UBO ROUND POWERLED

368010	MINI OBO R POWERLED 3x1W COOLWHITE CL GLASS STAINLESS STEEL
368040	MINI OBO R POWERLED 3x1W RED CL GLASS STAINLESS STEEL
368012	MINI OBO R POWERLED 3x1W COOLWHITE CL GLASS ANO
368042	MINI OBO R POWERLED 3x1W RED CL GLASS ANO
368110	MINI UBO R POWERLED 3x1W COOLWHITE CL GLASS STAINLESS STEEL
368140	MINI UBO R POWERLED 3x1W RED CL GLASS STAINLESS STEEL
368112	MINI UBO R POWERLED 3x1W COOLWHITE CL GLASS ANO
368142	MINI UBO R POWERLED 3x1W RED CL GLASS ANO

MINI OBO/UBO SQUARE POWERLED

368210	MINI OBO SQ POWERLED 3x1W COOLWHITE CL GLASS STAINLESS
368240	MINI OBO SQ POWERLED 3x1W RED CL GLASS STAINLESS STEEL
368212	MINI OBO SQ POWERLED 3x1W COOLWHITE CL GLASS ANO
368242	MINI OBO SQ POWERLED 3x1W RED CL GLASS ANO
368310	MINI UBO SQ POWERLED 3x1W COOLWHITE CL GLASS STAINLESS
368340	MINI UBO SQ POWERLED 3x1W RED CL GLASS STAINLESS STEEL
368312	MINI UBO SQ POWERLED 3x1W COOLWHITE CL GLASS ANO
368342	MINI UBO SQ POWERLED 3x1W RED CL GLASS ANO



GENERAL INFORMATION

lamptype	3x POWERLED 1W (beam angle 10°)
fitting	none
watt	3x1W
voltage	350mA DC
symbol	
gear	Not incorporated
ip/class	IP65
application	Exterior (in comb. with floortube) - Interior
orientation	Floor mounted
dimmable	Not dimmable
weight	0.8

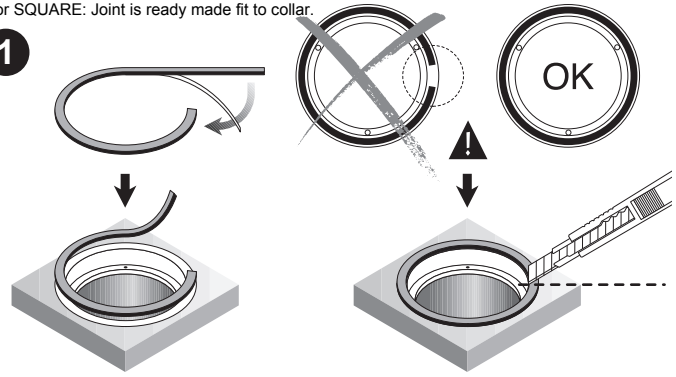
ACCESSORIES NEEDED

*SERIAL
**SERIAL-PARALLEL (SEE POWERLED CONVERTOR SCHEMES)

		QTY
ref 366318	resp. floortube OBO ROUND / SQUARE	
ref 366408	resp. floortube UBO SQUARE	
ref 366308	resp. floortube UBO ROUND	
ref 930400	resp. POWERLEDCONVERTOR 4VA IP67	1
ref 930000	resp. POWERLEDCONVERTOR 12VA IP66	max.2{S}*
ref 930100	resp. POWERLEDCONVERTOR 25VA IP20 INT.	exact3 or 6{SP}**
ref 930200	resp. POWERLEDCONVERTOR 80VA IP66	exact9 or 18{SP}

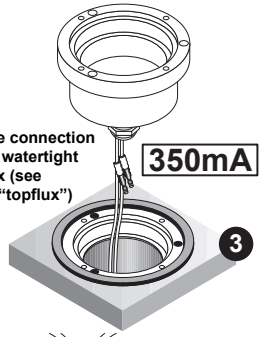
Only use floortube for correct outdoor installation:
For ROUND: Carefully cut adhesive sealing joint to size and mount in floortube collar as shown.
For SQUARE: Joint is ready made fit to collar.

1

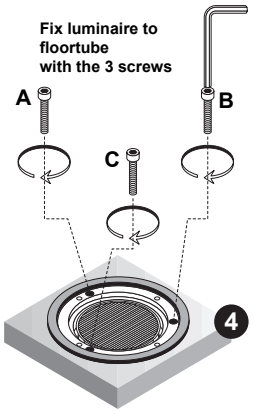


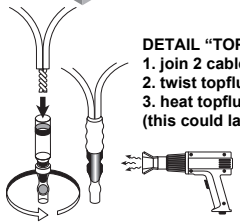
LUMINAIRE'S BROWN CABLE = + (pos.)
LUMINAIRE'S BLUE CABLE = - (neg.)

3.Make connection with 2 watertight topflux (see detail "topflux")



Fix luminaire to floortube with the 3 screws





DETAIL "TOPFLUX":
1. join 2 cables per pole by twisting
2. twist topflux on combined cable clockwise
3. heat topflux (400°C) until resin and solder runs out (this could last 1-2 minutes)

INSTALLATIE- EN ONDERHOUDSRICHTLIJNEN m.b.t. FABRIEKSGARANTIE.
1. DE VERBINDINGEN EN HET UITTESTEN VAN DEZE TOESTELLEN DIENEN ALTIJD TE GEBEUREN DOOR EEN ERKEND ELECTRO-INSTALLATEUR.
2. DEZE VERLICHTINGSTOESTELLEN MOETEN GEINSTALLEERD, VERBONDEN EN GETEST WORDEN VOLGENS DE NATIONAAL GELDENDE REGLEMENTEN OP DE ELECTRISCHE INSTALLATIES (BELGIË, A.R.E.I., DUITSLAND: DIN VDE 0100 TEIL 559 A2, ...; DEZE OPSOMMING IS LOUTER INFORMATIEF)
3. DE TECHNISCHE BIJSLUITER MOET GEZIEN WORDEN ALS ONDERDEEL VAN DE ALGEMENE VERKOOPSVOORWAARDEN VAN TAL N.V.
4. DE ELECTRO-INSTALLATEUR IS VERANTWOORDELIJK VOOR HET GEBRUIKEN VAN VOORSCHAKELAPPARATUUR DIE VOLDOET AAN DE GELDENDE CE EN EMC NORMEN.
5. VERVANG DE LAMP (-EN) ALTIJD MET DE GROOTSTE ZORG, ZE IS(ZIJN) UITERST BREEKBAAR.
6. OPGEPAST: PLAATS NOOIT DE LAMP MET BLOTE HANDEN, GEBRUIKALTIJD EEN DOEK !

INSTRUCTIONS D'INSTALLATION ET D'ENTRETIEN A RESPECTER VIS-A-VIS DE LA GARANTIE.
1. LE PLACEMENT, LE RACCORDEMENT ET L'ESSAI DE CET APPAREILDOIVENT TOUJOURS ÊaTRE EFFECTUES PAR UN INSTALLATEUR ELECTRICIEN AGREE.
2. LES LUMINAIRES DOIVENT ÊaTRE INSTALLEZ, BRANCHES ET TESTES SUIVANT LE REGLEMENT NATIONAL SUR LES INSTALLATIONS ELECTRIQUES EN VIGUEUR. (BELGIQUE, A.R.E.I., ALLEMAGNE: DIN VDE 0100 TBL 559 A2, ...; CETTE ENUMERATION EST INDICATIVE)
3. CE MANUEL D'INSTALLATION TECHNIQUE REPRESENTE UNE PARTIEDES CONDITIONS GENERALES DE VENTE DE TAL N.V.
4. L'ELECTRO-INSTALLATEUR ESTRESPONSABLE POUR L'USAGE DE BALLASTS, TRANSFOS,...CONFORMES AUX NORMES CE ET EMC EN VIGUEUR.
5. REMPLACEZ TOUJOURS L'AMPOULE (LES AMPOULES) AVEC PRUDENCE ELLE(-S) EST (SONT) TRES FRAGILE (-S).
6. ATTENTION: NE JAMAIS REMPLACER L'AMPOULE AUX MAINS NUES,UTILISEZ TOUJOURS UN CHIFFON !

INSTALLATION AND MAINTENANCE INSTRUCTIONS IN VIEW OF THE MANUFACTURER'S GUARANTEE.
1. THE CONNECTION AND TESTING OF THE DEVICES SHOULD ALWAYS ßE PERFORMED BY A RECOGNIZED ELECTRICIAN.
2. THESE LIGHTING DEVICES NEED TO BE INSTALLED, CONNECTED AND TESTED FOLLOWING THE OFFICIAL NATIONAL INSTRUCTION GUIDE FOR ELECTRICAL INSTALLATIONS (BELGIUM, A.R.E.I., GERMANY: DIN VDE 0100TEIL 559 A2, ...; THIS ENUMERATION IS JUST AN INDICATION)
3. THIS TECHNICAL ENCLOSURE NEEDS TO BE ADDED TO THE GENERALSALES CONDITION OF THE TAL N.V.
4. THE ELECTRO TECHNICIAN IS RESPONSABLE TO USE BALLASTS, TRANSFORMERS,...WHICH MEET THE VALID CE AND EMC RULES.
5. ALWAYS REPLACE THE LAMP (-S) WITH UTMOST CAUTIOUSNESS, THE LAMP (-S) IS (ARE) VERY FRAGILE.
6. ATTENTION: NEVER REPLACE THE LAMP WITH BARE HANDS, ALWAYSUSE A CLOTH !

MONTAGE- UND UNTERHALT INSTRUCTIONEN ZU BEACHTEN MIT BEZUG AB DER GARANTIE.
1. DIE MONTAGE , DER ANSCHLUSS UND DAS AUSTESTEN DER LEUCHTEN SOLL IMMER VON EINEM ZUSTAÄNDIGEN ELECTRO-INSTALLATEUR AUSGEFUHRT WERDEN.
2. DIESE LEUCHTEN MüSSEN INSTALLIERT, ANGESCHLOSSEN UND GETESTET WERDEN NACH DER ALLGEMEINEN NAZIONALEN REGLEMENTATIONUBER DIE ELEKTRISCHE INSTALLATIONEN (BELGIEN, A.R.E.I., DEUTSCHLAND: DIN VDE 0100 TEIL 559 A2, ...; DIESE AUFSTELLUNG GESCHICHT DURCH EXEMPLATIVEN TITEL UND KANN NICHT ALS LIMITATIV ODER EXHAUTIV BETRACHTET WERDEN).
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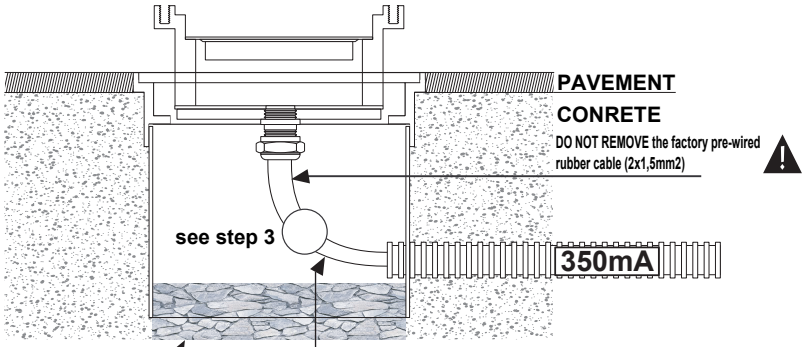
4. DER ELEKTRO-INSTALLATEUR IST VERANTWORTLICH FUR DAS VERWENDEN VON CE UND EMC GEPRUFTE VORSCHALTGERÄATE.
5. DIE LAMPE(-N) SOLL(-EN) IMMER SEHR VORSICHTIG ERSäTZT WERDEN.
6. VORSICHT: MAN DARF NIE DIE LAMPE MIT DEN NACKTEN HäNDEN BERUHREN, MAN SOL IMMER EINEN TUCH BENUTZEN !

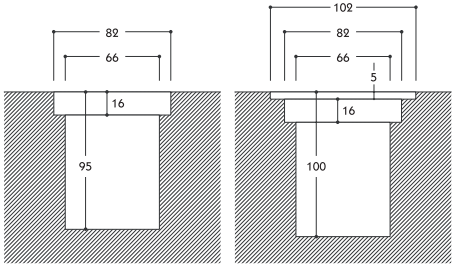
2 a. Outdoor installation with floortube.



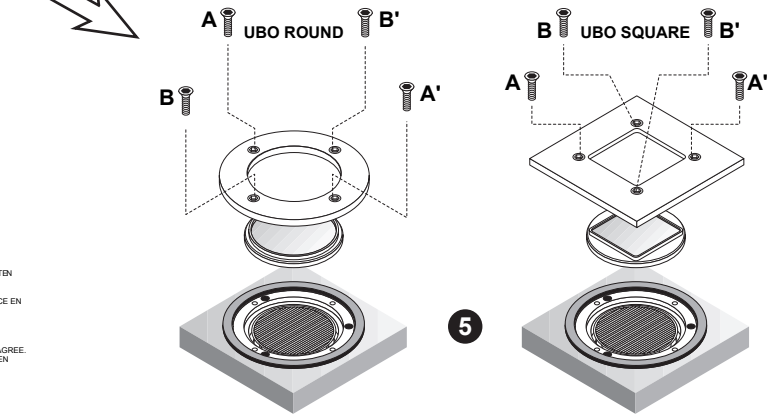
Leave enough spare cable to allow easy connection of luminaire

Leave some aggregate (gravel) to allow proper drainage of surface water.

2 b. Indoor installation can be done without floortube using cutouts on the right.



MINI OBO ROUND/SQUARE MINI UBO ROUND/SQUARE



START-UP LUMINAIRE:
1. leave illuminated for 10min without covering disk for evacution of ambient humidity.
2. close luminaire in operation with cover and tighten 4 screws cross wise (AA'BB').
3. leave illuminated for 5 minutes and verify after extinction that 4 screws are fixed well.

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MADE IN BELGIUM 19/12/2006 - VERSION 1

CE

name	POWERLED CONVERTOR 4W
usable for	3pcs 1390XX RAM W POWERLED
	3pcs 1300XX ASCAN ROUND POWERLED
	3pcs 1302XX ASCAN SQUARE POWERLED
	3pcs 1301XX FLOX POWERLED
	1pc 368XXX MINI UBO/OBO POWERLED ⚠
watt	4W
input voltage	100-240V-50Hz - AC
output voltage	350mA - DC
symbol	
ip/class	IP67 - CLASS II
application(convertor)	Exterior - Interior
dimmability	not dimmable
weight	0.1

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5. DIE LAMPE(-N) SOLL(-EN) IMMER SERH VORSICHTIG ERSA?TZT WERDEN.
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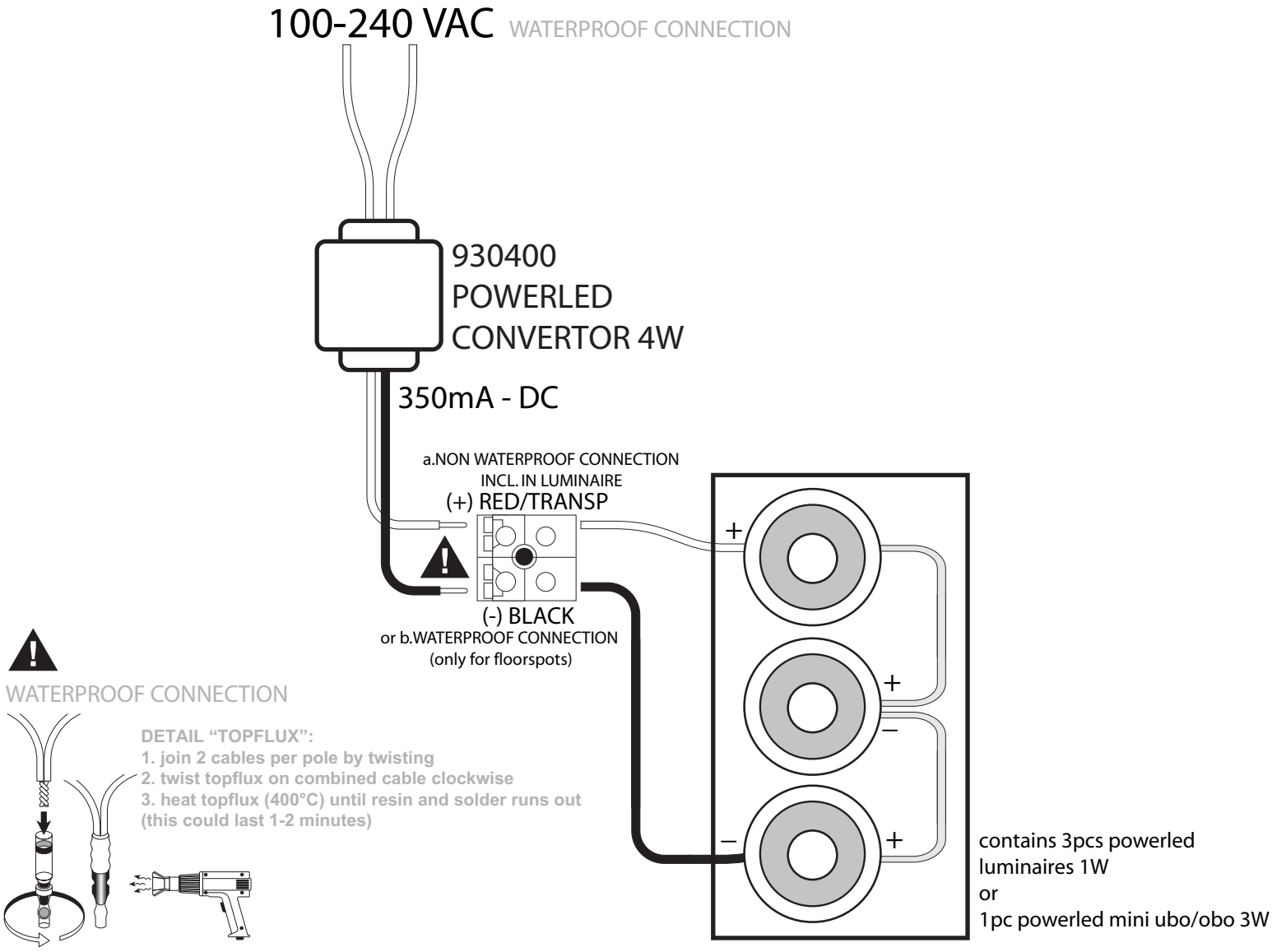
MAKE (INTER)CONNECTION BETWEEN POWERLEDCONVERTOR AND LEDLUMINAIRES, CONFORM CONVERTOR SCHEME



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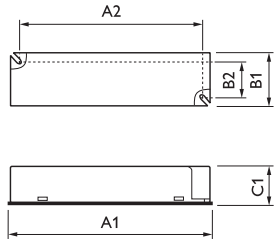
MADE IN BELGIUM 02/04/2007 - VERSION 1

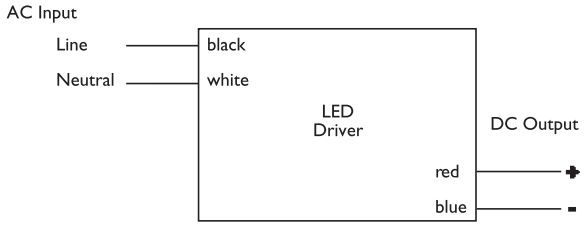
INSTALLATION OF POWERLED CONVERTORS 930000-930100-930200 IN COMBINATION WITH UBO/OBO POWERLED FLOORSPOTS

930 000: POWERLED CONVERTOR 12W 230V OUTDOOR IP66

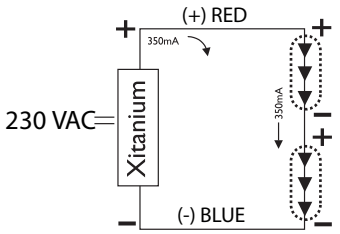
Dimensional drawing



Wiring diagram



Configuration arrays



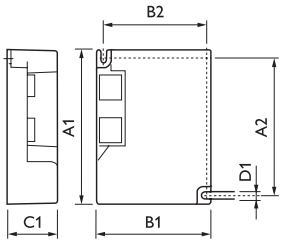
= 1 OBO/UBO POWERLED

LUMINAIRE'S BROWN CABLE = + (pos.)
LUMINAIRE'S BLUE CABLE = - (neg.)

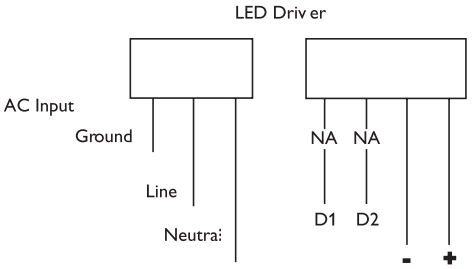
Special remarks:
-min. load: 1 OBO/UBO 3x1W
-max. load: 2 OBO/UBO to be SERIAL CONNECTED to CONVERTOR

930 100: POWERLED CONVERTOR 25W 230V INDOOR IP20

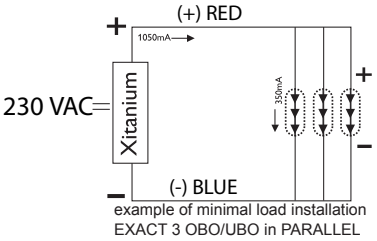
Dimensional drawing

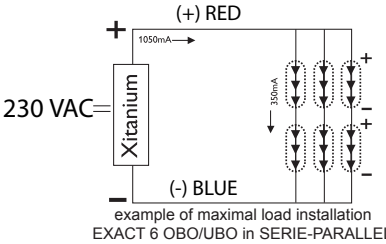


Wiring diagram



Configuration arrays



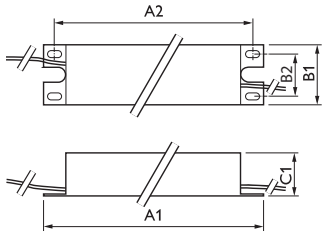


LUMINAIRE'S BROWN CABLE = + (pos.)
LUMINAIRE'S BLUE CABLE = - (neg.)

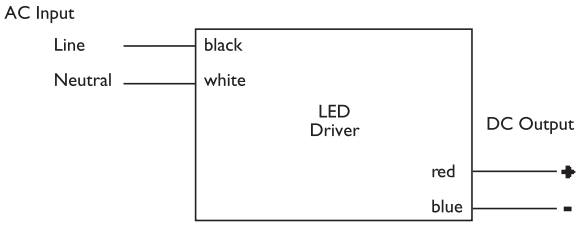
Special remarks:
-min. load: EXACT 3 OBO/UBO to be PARALLEL CONNECTED to CONVERTOR
-max. load: EXACT 6 OBO/UBO to be SERIAL-PARALLEL CONNECTED to CONVERTOR
-possible arrays: 3/6

930 200: POWERLED CONVERTOR 80W 230V OUTDOOR IP66

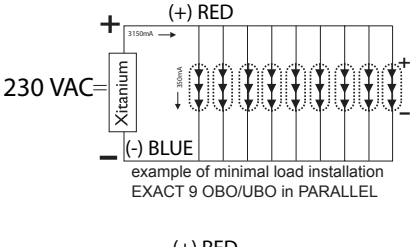
Dimensional drawing

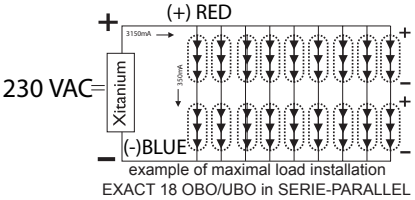


Wiring diagram



Configuration arrays





LUMINAIRE'S BROWN CABLE = + (pos.)
LUMINAIRE'S BLUE CABLE = - (neg.)

Special remarks:
-min. load: EXACT 9 OBO/UBO to be PARALLEL CONNECTED to CONVERTOR
-max. load: EXACT 18 OBO/UBO to be SERIAL-PARALLEL CONNECTED to CONVERTOR
-possible arrays: 9/18

Dimension drawing table

	A1	A2	B1	B2	C1	D1
12W outdoor	132,0	122,4	34,2	24,6	25,0	4,4
25W indoor	83,0	73,4	77,0	67,4	33,8	4,4
80W outdoor	240,0	225,0	43,2	30,0	29,5	4,4